FIG. 1

PRIOR ART

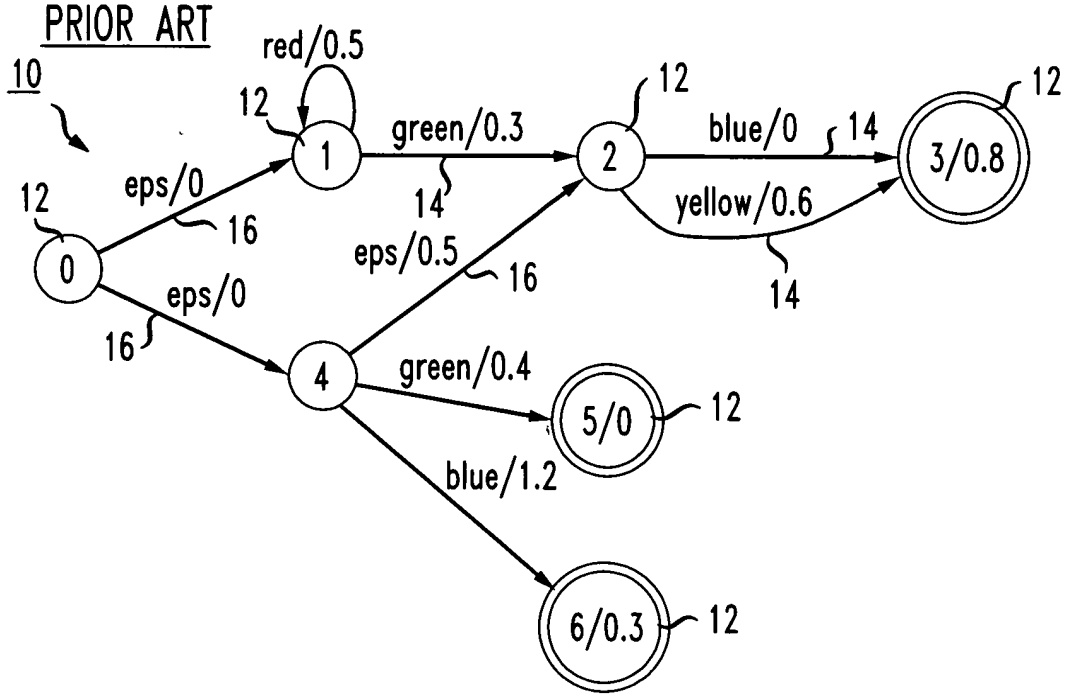


FIG. 2A

PRIOR ART

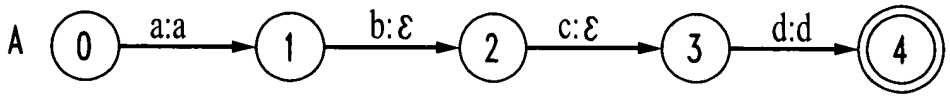


FIG. 2B

PRIOR ART

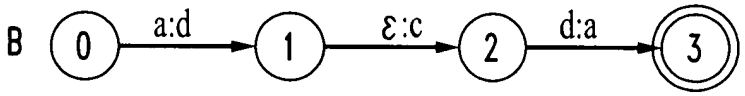


FIG. 2C

PRIOR ART

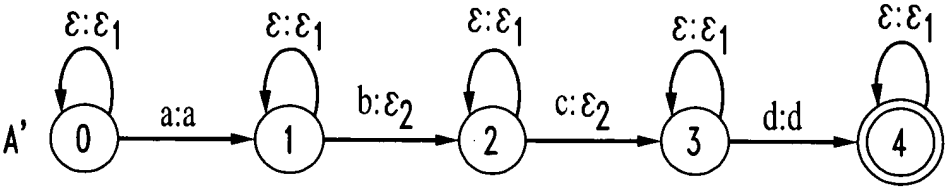


FIG. 2D

PRIOR ART

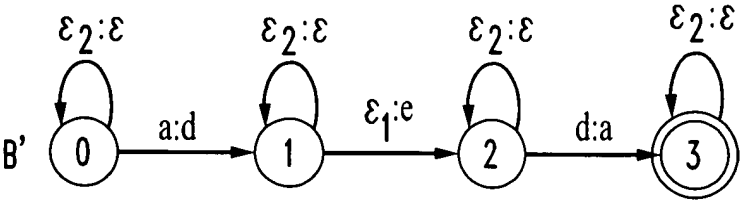


FIG. 3

PRIOR ART

```
1   M_ε ← M_i|{ε}
2   M_0 ← M_i|Σ*−{ε}
3   G_ε ← CLOSURE(M_ε)
4   for p ← 1 to |V|
5     do  for each e ∈ Trans G_ε[p]
6       do  for each t ∈ Trans_{M_i} [Next(e)] ∧ i(t) ≠ ε
7         do  t' ← FINDTRANS (i(t), Next(t), Trans_{M_0} [p])
8             w(t') ← w(t') ⊕ w(t) ⊗ w(e)
```

FIG. 4

PRIOR ART

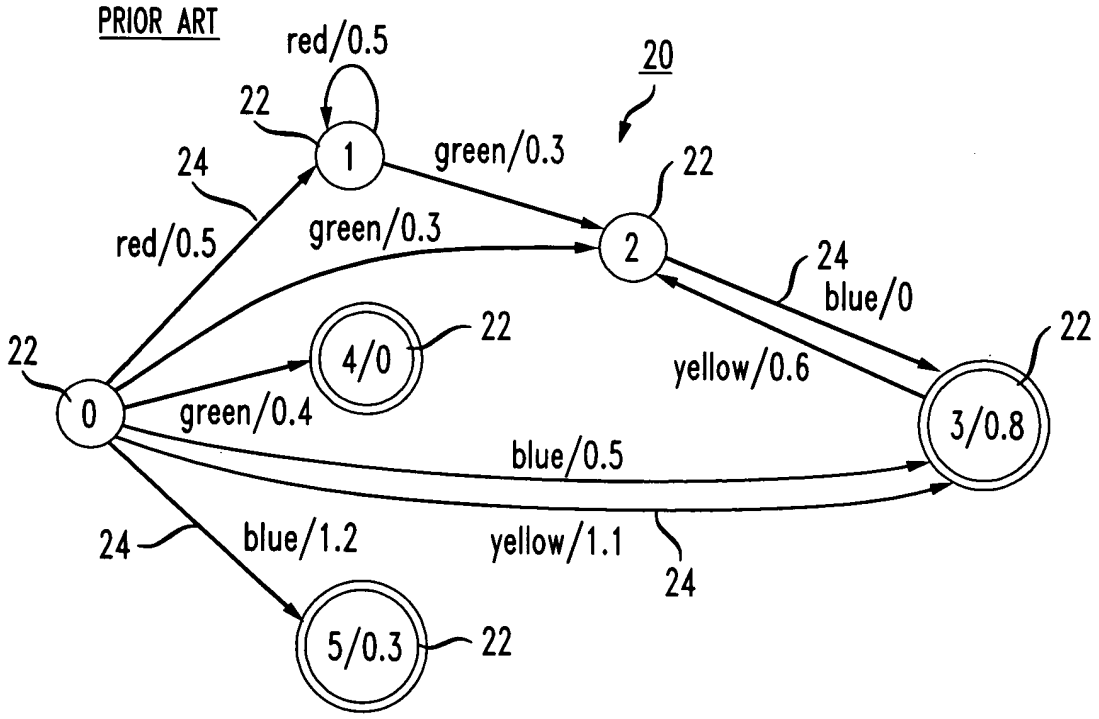


FIG. 5(a)

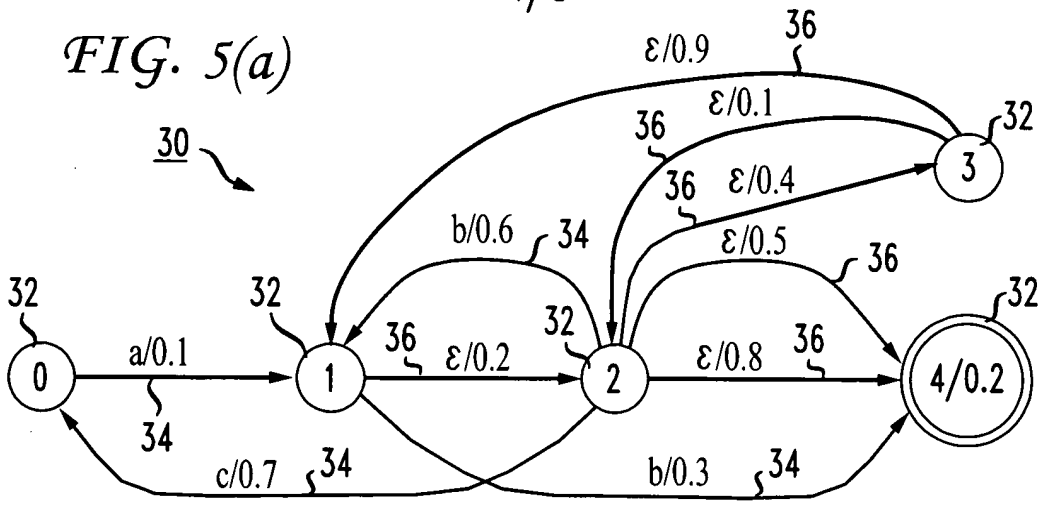


FIG. 5(b)

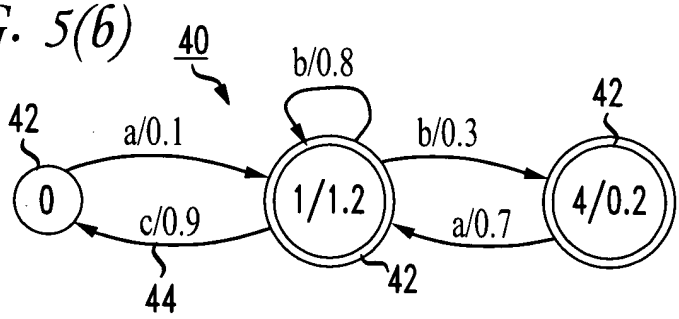


FIG. 5(c)

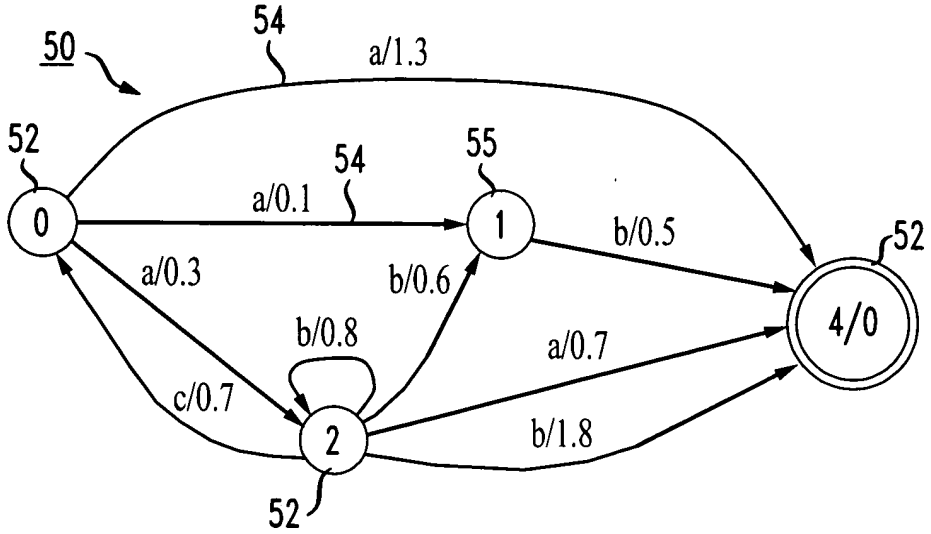


FIG. 6(a)

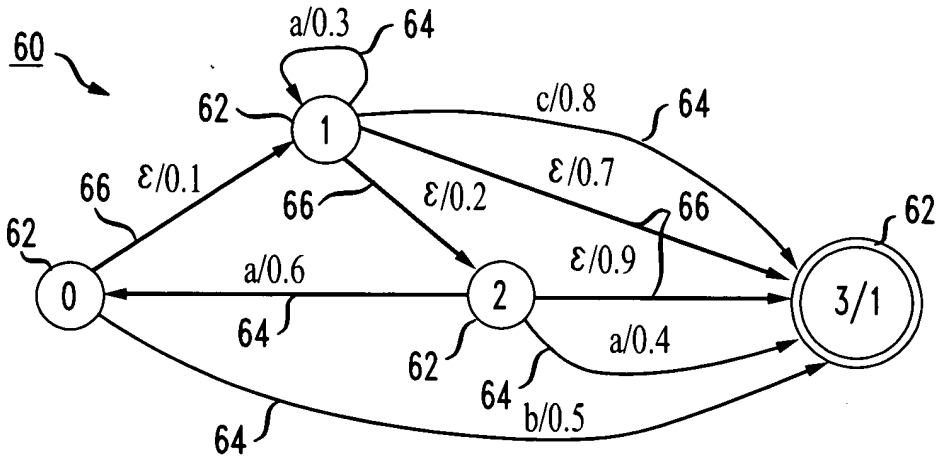

60
a/0.3
64
62
1
c/0.8
64
ε/0.7
66
ε/0.1
66
ε/0.2
66
62
62
ε/0.9
0
a/0.6
2
3/1
64
62
a/0.4
64
b/0.5
64

FIG. 6(b)

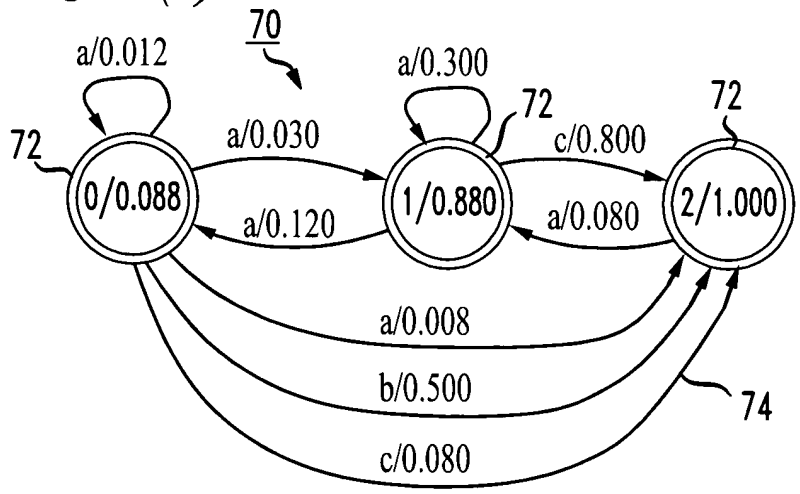

70
a/0.012
a/0.300
72
72
72
a/0.030
c/0.800
0/0.088
1/0.880
2/1.000
a/0.120
a/0.080
a/0.008
b/0.500
74
c/0.080

FIG. 7

```
GENERIC-SINGLE-SOURCE-SHORTEST-DISTANCE (B,s)

1   for each  p ∈ Q
2       do  d[p] ← r[p] ← 0̄
3   d[s] ← r[s] ← 1̄
4   S ← {s}
5   while  S ≠ 0
6         do  q ← head(S)
7             DEQUEUE(S)
8             r ← r(q)
9             r(q) ← 0̄
10            for each  e ∈ E[q]
11                do if  d[n[e]] ≠ d[n[e]] ⊕ (r ⊗ w[e])
12                     then  d[n[e]] ← d[n[e]] ⊕ (r ⊗ w[e])
13                           r[n[e]] ← r[n[e]] ⊕ (r ⊗ w[e])
14                           if  n[e] ∉ S
15                           then  ENQUEUE(S,n[e])
16  d[s] ← 1̄
```

FIG. 8(a)

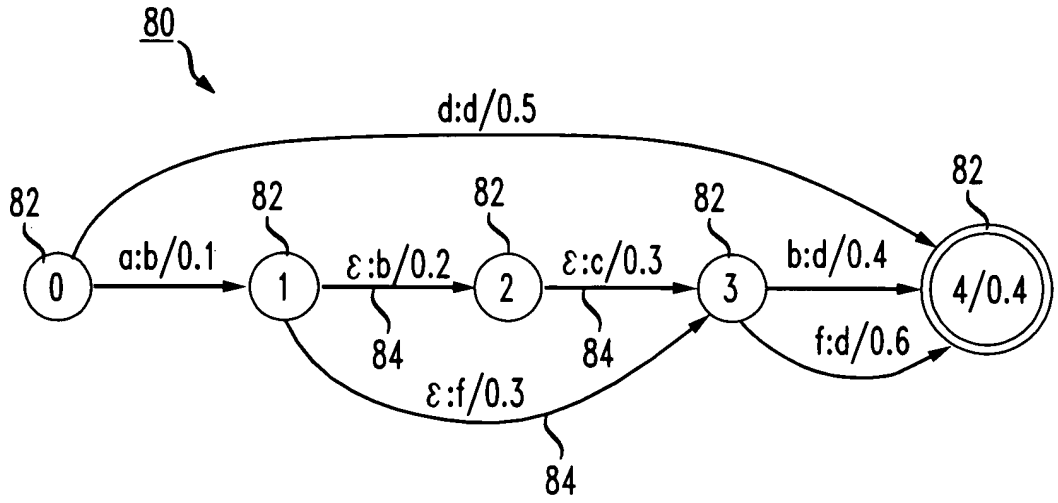

80
d:d/0.5
82
82
82
82
82
a:b/0.1
ε:b/0.2
ε:c/0.3
b:d/0.4
0
1
2
3
4/0.4
84
84
f:d/0.6
ε:f/0.3
84

FIG. 8(b)

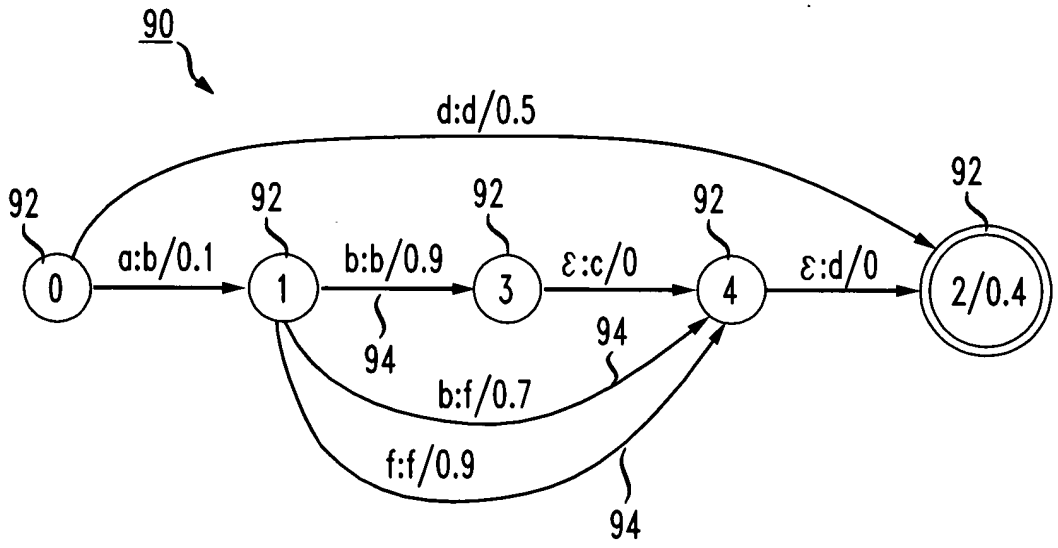

90
d:d/0.5
92
92
92
92
92
a:b/0.1
b:b/0.9
ε:c/0
ε:d/0
0
1
3
4
2/0.4
94
94
b:f/0.7
f:f/0.9
94

FIG. 9(a)

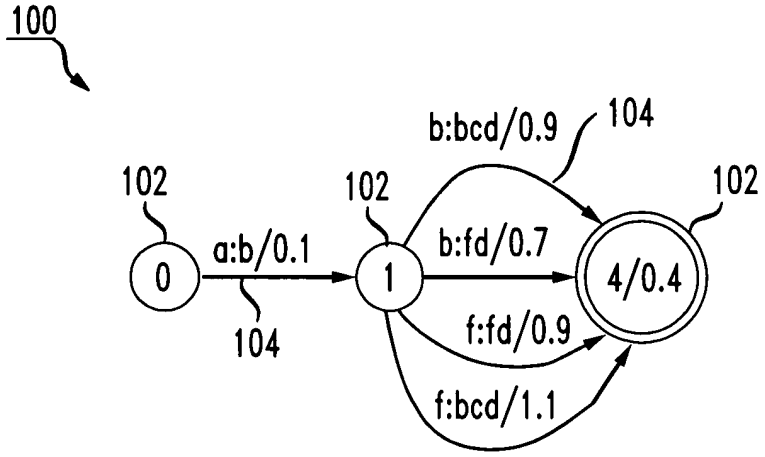
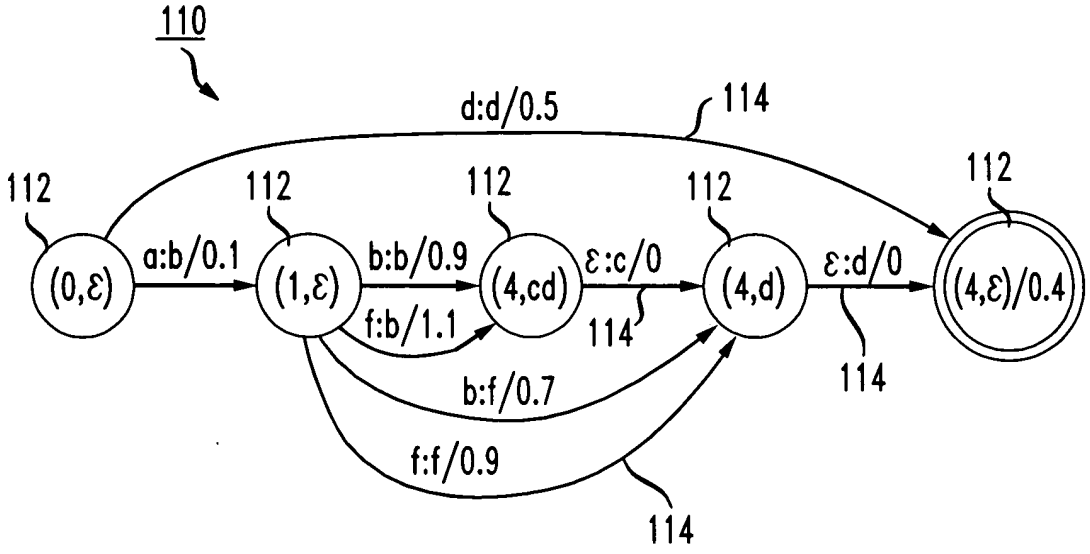

100
b:bcd/0.9
104
102
102
102
0
a:b/0.1
1
b:fd/0.7
4/0.4
104
f:fd/0.9
f:bcd/1.1

FIG. 9(b)


110
d:d/0.5
114
112
112
112
112
112
(0,ε)
a:b/0.1
(1,ε)
b:b/0.9
(4,cd)
ε:c/0
(4,d)
ε:d/0
(4,ε)/0.4
f:b/1.1
114
114
b:f/0.7
f:f/0.9
114